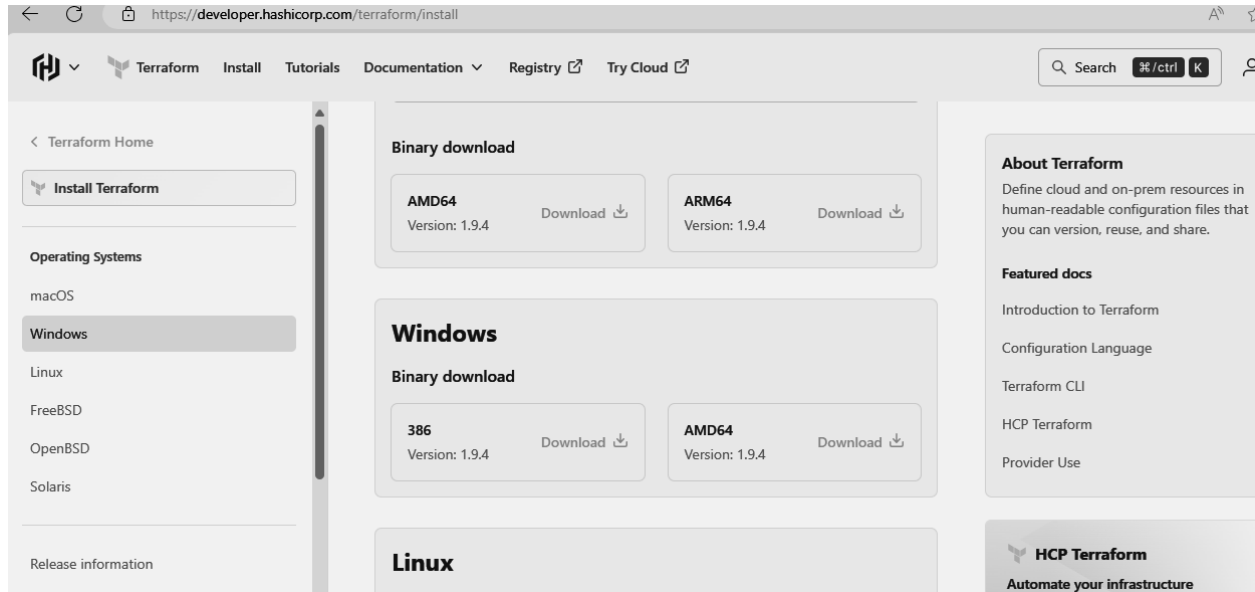
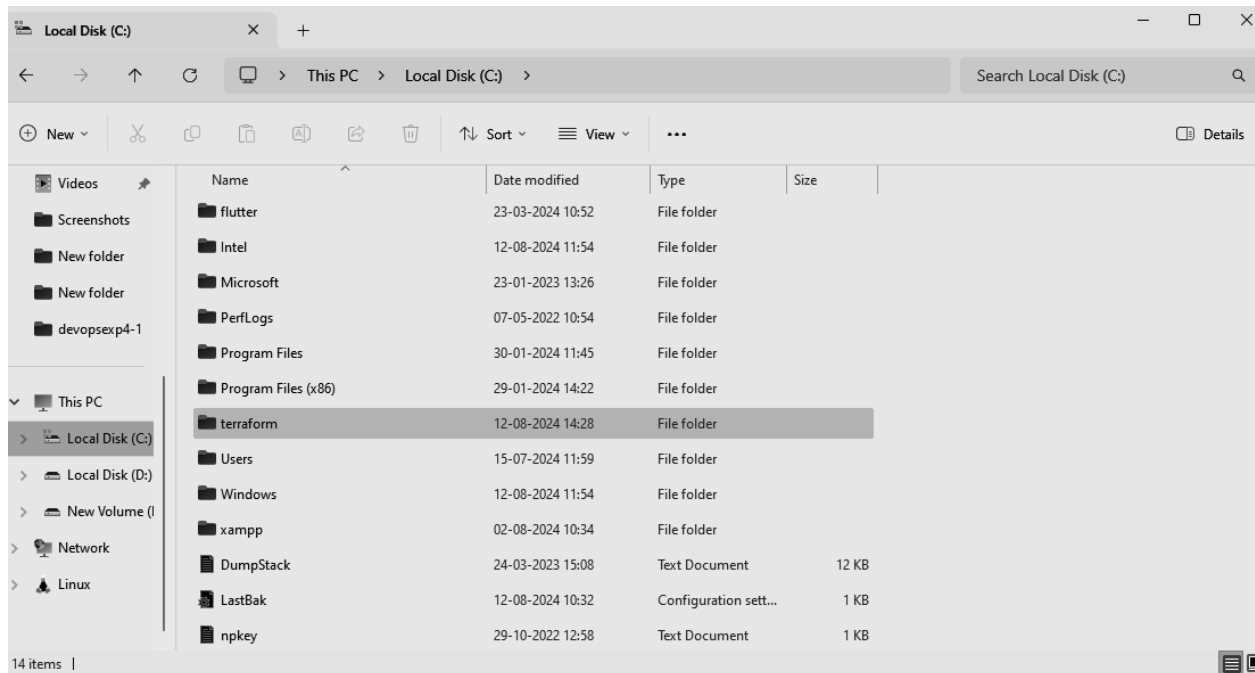


## Exp 05: To understand terraform lifecycle, core concepts/terminologies and install it on a Linux Machine.

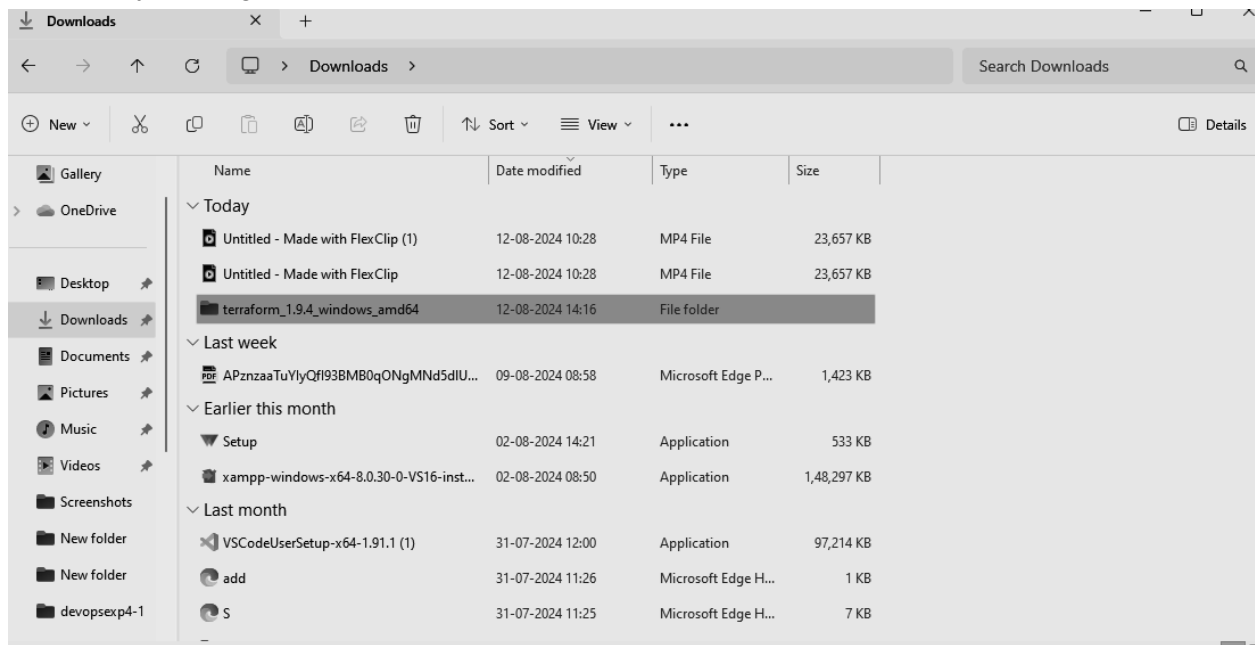
**Step 1:** Navigate to hashicorp.com page and download the AMD64 file for Terraform. Install it for Windows.



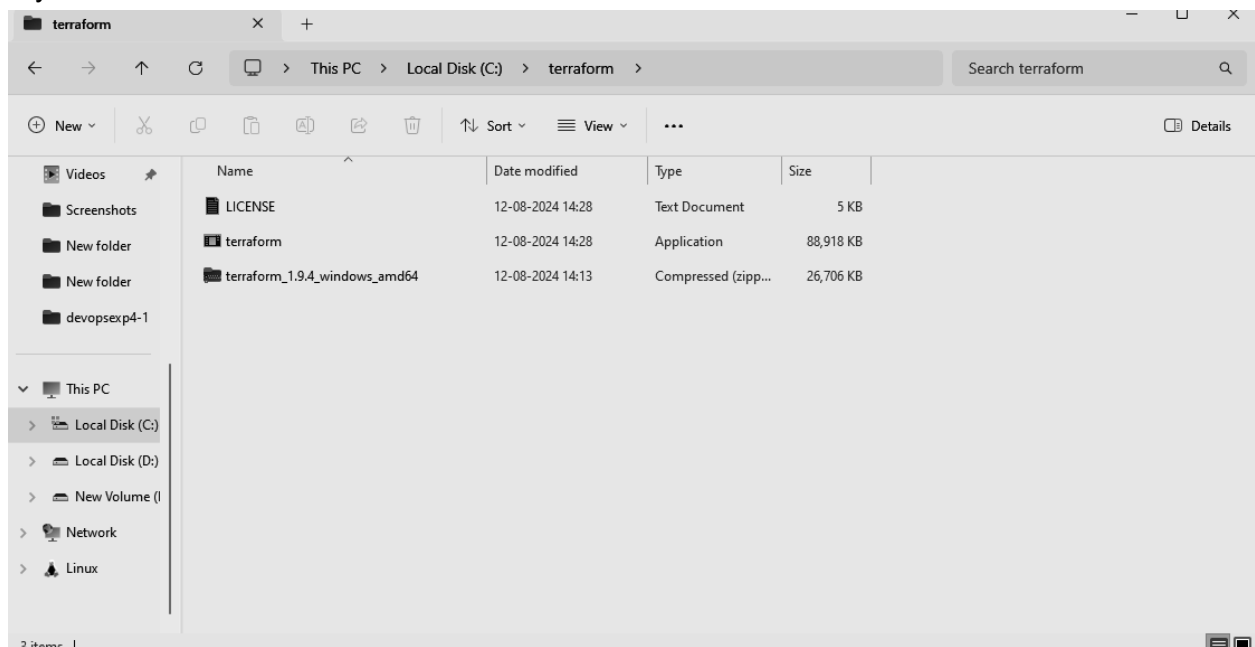
**Step 2:** Create a new folder inside your C drive named Terraform for your convenience. We would need it for setting up our PATH variable inside system variables.



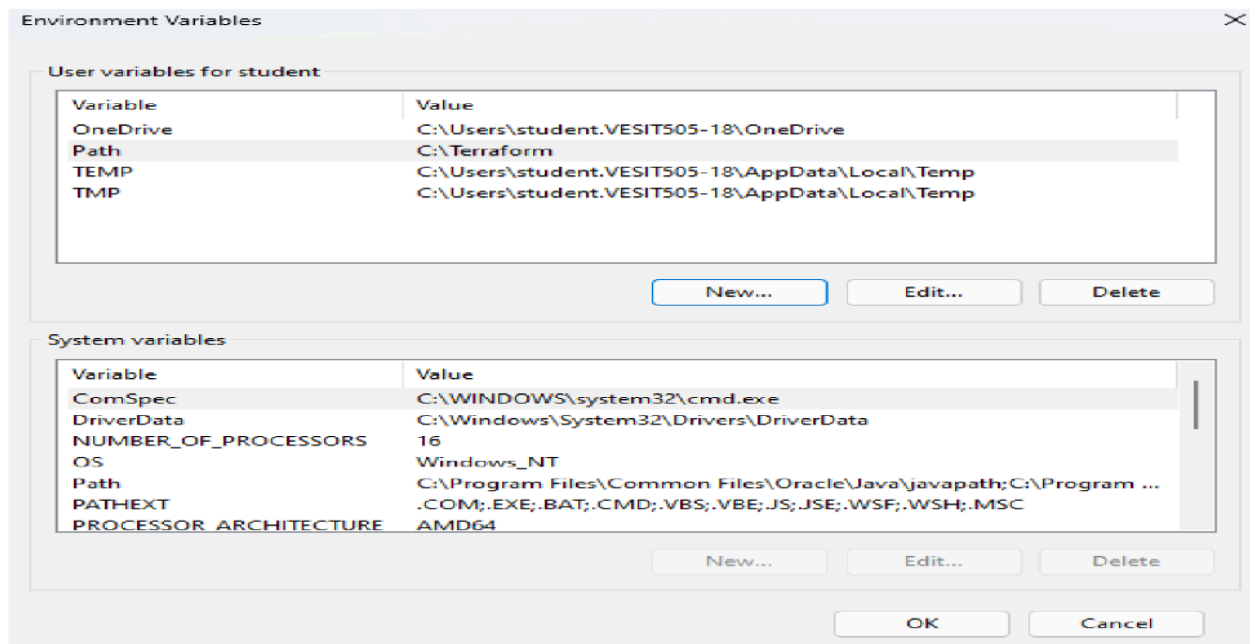
**Step 3:** Select the package that you have downloaded and extract the files within it. Set it in such a way that it gets extracted in the Terraform folder we created in the step prior to this one



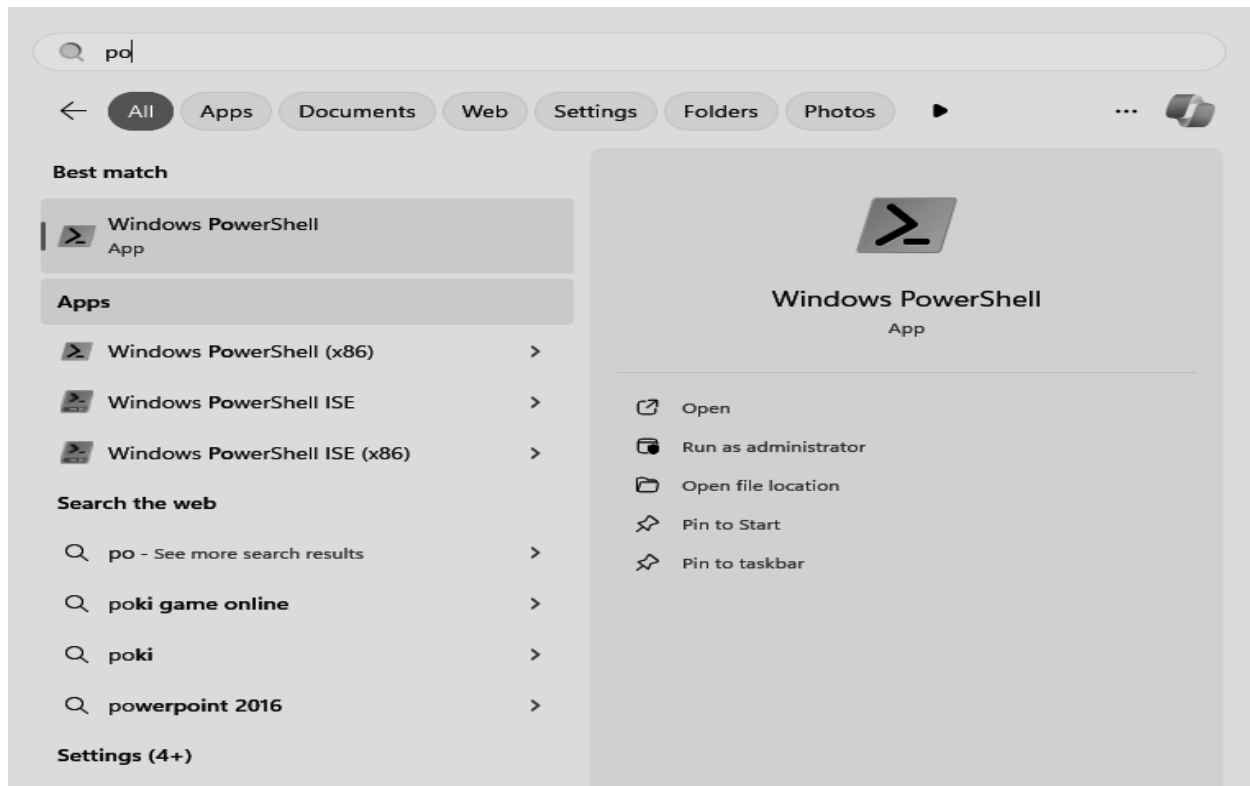
**Step 4:** Ensure that you have the following files appearing in your newly made Terraform folder in your local C drive



**Step 5:** Add the path of your Terraform folder in the PATH variable in the system environment variables inside settings.



**Step 6:** Open Windows PowerShell and select 'Run as Administrator' option for carrying out the next step



**Step 7:** After opening Windows PowerShell, type the command 'terraform'. If it is properly extracted and path is added to system variables, then following is the result we would be able to see. It will show us numerous other commands and options that we can try out so as to work with Terraform



```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\student.VESTI505-12> terraform
Usage: terraform [global options] <subcommand> [args]

The available commands for execution are listed below.
The primary workflow commands are given first, followed by
less common or more advanced commands.

Main commands:
  init      Prepare your working directory for other commands
  validate  Check whether the configuration is valid
  plan      Show changes required by the current configuration
  apply     Create or update infrastructure
  destroy   Destroy previously-created infrastructure

All other commands:
  console   Try Terraform expressions at an interactive command prompt
  fmt       Reformat your configuration in the standard style
  force-unlock Release a stuck lock on the current workspace
  get       Install or upgrade remote Terraform modules
  graph     Generate a Graphviz graph of the steps in an operation
  import    Associate existing infrastructure with a Terraform resource
  login     Obtain and save credentials for a remote host
  logout    Remove locally-stored credentials for a remote host
  metadata  Metadata related commands
  output    Show output values from your root module
  providers Show the providers required for this configuration
  refresh   Update the state to match remote systems
  show      Show the current state or a saved plan
  state     Advanced state management
  taint     Mark a resource instance as not fully functional
```